	Ameliandian Na	Amiliantia
	Application No.	Applicant(s)
Aladiaa af Allawahilita	10/790,074	YAMAGISHI ET AL.
Notice of Allowability	Examiner	Art Unit
	Tuyet Vo	2821
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communicatio IGHTS. This application is subject to	oplication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>January 31, 2006</u> .		
2. The allowed claim(s) is/are <u>1-4</u> .		•
 Acknowledgment is made of a claim for foreign priority ur a)	nder 35 U.S.C. § 119(a)-(d) or (f).	
1. 🛛 Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s)	_	
1. Notice of References Cited (PTO-892)	-	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	/ (PTO-413), ste
3. 🛛 Information Disclosure Statements (PTO-1449 or PTO/SB/0	08), 7. ☐ Examiner's Amend	ment/Comment
Paper No./Mail Date 3/02/2004 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Statem	ent of Reasons for Allowance
of Biological Material	9. Other	
TUYET VO PRIMARY EXAMINER		

DETAIL ACTION

Reasons For Allowance

- 1. Claims 1-4 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: the prior art of record fails to disclose a matching unit used for a semiconductor plasma processing apparatus including an electrode provided inside a chamber and a feeding line having its one terminal connected to said electrode and having its other terminal arranged outside said chamber by comprising a first capacitor receiving a high-frequency voltage at its one electrode and receiving a reference voltage at its other electrode, a capacitance value of said first capacitor being adjustable; a second capacitor receiving said high-frequency voltage at its one electrode, a capacitance value of said second capacitor being adjustable; and a distributed constant circuit connected between other electrode of said second capacitor and the other terminal of said feeding line for delaying a phase of said high-frequency voltage by a length substantially equal to a length in which a length of said feeding line is subtracted from a natural number multiple of 1/2 wavelength of said high-frequency voltage as required in claim 1
- 3. The remaining dependent claims are allowable for at least above reason.
- 4. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure. Himori et al. (US Pub. 2002/0134508) discloses matching unit and plasma processing system. Oku (US Pub. 5,077,499) discloses high frequency feeding method for use in plasma apparatus and device for carrying out the method. None of cited/recorded prior arts stands alone or combination with others discloses all limitation required in claim invention.

Correspondence

Any comments considered necessarily by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuyet Vo whose telephone number is (571) 272 1830. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan can be reached on (571) 272 1740. The fax phone number for the organization where this application or proceeding assigned is (571) 273-8300 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571 272 2800.

Information regarding the status of an application or status information for publicing/unpublicing applications may be obtained from the Patent Application Information Retrieval (PAIR) system, see http://pair-direct.uspto.gov. Should you have questions on access to the PAIR system, contact the Electronic Business Center (EBC) at toll free 866-217-9197.

Tuyet Vo

Primary Examiner

July 07, 2006